

## SUMMARY OF RECEIVING STREAM DATA

Worksheet 3

Prepared by: AJP

Date: 12/7/09

Revised: 8/12/10

1. Case Name: American Refining Group, Inc. Permit No.: PA0002674  
Municipality: Bradford City (002) and Foster Township (004) County: McKean
  
2. Outfalls: 002 & 004  
USGS Quad: Bradford 002 Latitude: 41° 57' 58.66" Longitude: 78° 37' 53.38"  
004 41° 58' 47" 78° 37' 30"
  
3. Name of Receiving Stream: Tunungwant Creek Drainage List: P  
Designated Uses: Statewide Plus WWF  
Existing Use: WWF  
Exceptions to Specific Criteria: Add ---- Delete ----  
☒ Perennial Stream  
Gage Name: Brokenstraw Creek @ Youngsville Q<sub>7-10</sub> at Gage 43.57 cfs Yield rate 0.14 cfs  
☐ Intermittent Stream  
☐ Impoundment  
Nearest Downstream Use: PA/NY state Border  
Location: Tuna Creek approx. 3 miles below the facility.
  
4. Receiving Stream is Tributary to: Allegheny River Drainage List: P  
Designated Uses: Statewide CWF  
Plus -----  
Exception to Specific Criteria: Add ---- Delete: ----
  
5. Downstream Impoundment Impacted by Discharge: Allegheny Reservoir  
Distance Below 30 miles Location: -----  
Discharge: -----  
Size: 48.77 Volume: 707,288,000 Retention 77 days at stream flow:  
----- cubic meters -----
  
6. Basis for determining instream background concentrations: See Water Quality Protection Report for  
sources of concentrations. WQN 858.

## (Effect of Discharges on Receiving Waters)

7.	<u>Specific Substance</u>	<u>Requirements to meet Water Quality Standards</u>		
		Ave. Mon.	Daily Max.	Inst. Max.
a.	Phenolics	XX	XX	0.52 mg/l
b.	Oil and Grease	15 mg/l		30 mg/l
c.	Arsenic	XX	XX	
d.	Fecal Coliform (05/01 – 09/30)		200/100 ml	
e.	pH	Min. – 6.0; Max. – 9.0		

8. Water Quality Management Requirements:

☒

Project Conforms

☐

Project does not conform; explain on separate attached sheet to reference other documents under remarks.

9. Remarks: ELG's prove to be most influential at Outfall 002, with only a few places where WQBEL are more stringent. Arsenic appears to have reasonable potential and will be monitored in the next permit cycle.
- Outfall 004 no longer falls under process wastewater, but as steam condensate (non-process Wastewater) and contaminated stormwater due to removal of the railcar drain wastewater Source. Permit requirements for this outfall have changed a lot in the new proposed permit.

### **APPROVALS**

10. Review Permits/WQ \_\_\_\_\_ Date \_\_\_\_\_

Chief Permits/WQ \_\_\_\_\_ Date \_\_\_\_\_

